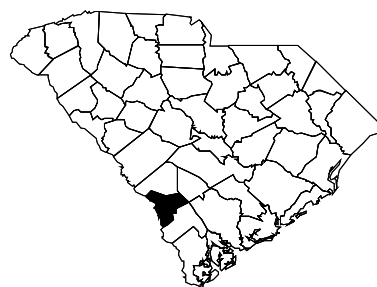


IMPACT OF CHRONIC CONDITIONS ALLENDALE County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Allendale county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The percentage of the population under age of 45 in Allendale county is (63%). This is slightly higher than the state average (62%). Allendale county has a higher minority population (73%) than the state (31%), and there are more males (53%) than females (47%). When adults in DHEC's Region 5, which includes Allendale County, were asked about their general health status, 79.0% reported having excellent, very good, or good health in 2005 (SC was 82%).

	ALLENDALE COUNTY	STATE
Population size	10,917	4,255,083
Age distribution (%)		
<18	26	24
18-44	37	38
45-64	25	25
65-84	11	11
85+	2	2
Race (%)		
White	27	69
Black & Other	73	31
Sex (%)		
Male	53	49
Female	47	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Allendale County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	22
Sedentary lifestyle	36	26
Overweight	67	65
High Cholesterol	41	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	37.6	.	.	.	.	31.7
Number of hospitalizations	29	26	1	8	21	5,032
Crude rate of hospitalizations (per 100,000)	266	327	34	139	406	118
Median age of hospitalized patients	62	62	57	55	62	57
Total cost of hospitalization (\$)	380,600	378,500	2,100	80,400	300,200	109,400,500
Average length of hospital stay (days)	6	6	1	4	6	5
Number of ED visits	96	82	14	48	48	7,466
Crude rate of ED visits (per 100,000)	879	1,032	471	835	929	175
Median age of ED patients	57	52	70	55	57	52
Total cost of ED visits (\$)	68,400	62,200	6,200	32,800	35,600	9,929,000
Number of deaths**	-	-	-	-	-	423
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	90	58	30	47	43	60,901
Crude rate of hospitalizations (per 100,000)	824	730	1,010	818	832	1,431
Median age of hospitalized patients	67	62	75	65	67	67
Total cost of hospitalization (\$)	3,693,400	2,545,900	1,147,500	2,844,300	849,100	#####
Average length of hospital stay (days)	6	6	5	7	4	5
Number of ED visits	115	83	32	58	57	12,989
Crude rate of ED visits (per 100,000)	1,053	1,044	1,077	1,009	1,103	305
Median age of ED patients	67	62	77	62	72	62
Total cost of ED visits (\$)	191,000	139,700	51,300	109,300	81,700	42,115,900
Number of deaths**	40	25	15	16	24	9,328
Age-Adjusted Death rate (per 100,000)**	340	363	291	402	294	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.3	.	.	.	.	3
Number of hospitalizations	25	16	8	13	12	13,925
Crude rate of hospitalizations (per 100,000)	229	201	269	226	232	327
Median age of hospitalized patients	70	70	72	67	77	72
Total cost of hospitalization (\$)	438,300	278,900	159,400	251,000	187,300	384,441,600
Average length of hospital stay (days)	5	5	6	4	6	6
Number of ED visits	28	19	9	19	9	2,515
Crude rate of ED visits (per 100,000)	256	239	303	331	174	59
Median age of ED patients	72	67	77	72	77	67
Total cost of ED visits (\$)	40,700	29,100	11,600	25,600	15,100	9,113,000
Number of deaths**	6	4	2	3	3	2,440
Age-Adjusted Death rate (per 100,000)**	52	55	38	56	39	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	38	28	10	19	19	15,753
Crude rate of hospitalizations (per 100,000)	348	352	337	331	368	370
Median age of hospitalized patients	57	52	60	57	52	62
Total cost of hospitalization (\$)	353,800	283,100	70,700	186,800	167,000	268,425,300
Average length of hospital stay (days)	4	5	3	5	4	5
Number of ED visits	238	203	35	112	126	36,543
Crude rate of ED visits (per 100,000)	2,180	2,554	1,178	1,949	2,438	859
Median age of ED patients	27	27	62	25	32	37
Total cost of ED visits (\$)	154,700	131,500	23,200	81,000	73,700	40,613,700
Number of deaths**	7	4	3	2	5	1,968
Age-Adjusted Death rate (per 100,000)**	61	58	.	68	63	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	.	.	.	.	10.3
Number of hospitalizations	43	34	9	22	21	9,027
Crude rate of hospitalizations (per 100,000)	394	428	303	383	406	212
Median age of hospitalized patients	52	52	62	57	47	52
Total cost of hospitalization (\$)	374,000	269,000	105,000	188,400	185,600	179,747,700
Average length of hospital stay (days)	4	4	5	4	5	6
Number of ED visits	65	58	7	30	35	9,603
Crude rate of ED visits (per 100,000)	595	730	236	522	677	226
Median age of ED patients	52	52	57	52	52	52
Total cost of ED visits (\$)	55,200	47,400	7,800	29,600	25,600	13,447,300
Number of deaths**	11	6	5	6	5	1,183
Age-Adjusted Death rate (per 100,000)**	96	84	.	115	67	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	31	17	12	13	18	16,389
Crude rate of hospitalizations (per 100,000)	284	214	404	226	348	385
Median age of hospitalized patients	67	67	72	67	70	62
Total cost of hospitalization (\$)	725,500	336,200	389,300	276,300	449,200	664,309,500
Average length of hospital stay (days)	6	5	7	5	7	8
Number of deaths**	29	19	10	19	10	8,617
Age-Adjusted Death rate (per 100,000)**	256	276	230	407	162	196

COLORECTAL CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	2	2	-	4	2,070
Crude rate of hospitalizations (per 100,000)	37	25	67	-	77	49
Median age of hospitalized patients	72	70	72	-	72	67
Total cost of hospitalization (\$)	88,600	57,200	31,400	-	88,600	101,377,700
Average length of hospital stay (days)	7	8	6	-	7	10
Number of deaths**	-	-	-	-	-	812
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	19

BREAST CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	1	1	-	3	1,228
Crude rate of hospitalizations (per 100,000)	58	27	71	.	39	56
Median age of hospitalized patients	55	37	72	-	55	62
Total cost of hospitalization (\$)	13,800	1,800	12,000	-	13,800	26,163,000
Average length of hospital stay (days)	4	5	3	-	4	3
Number of deaths**	2	1	1	-	2	651
Age-Adjusted Death rate (per 100,000)**	45	36	71	-	45	26

CERVICAL CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	1	-	2,181
Crude rate of hospitalizations (per 100,000)	9	13	-	17	-	51
Median age of hospitalized patients	82	82	-	82	-	67
Total cost of hospitalization (\$)	1,800	1,800	-	1,800	-	92,775,300
Average length of hospital stay (days)	3	3	-	3	-	9
Number of deaths**	9	5	4	6	3	2,703
Age-Adjusted Death rate (per 100,000)**	81	75	93	128	46	61

PROSTATE CANCER						State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	1	-	1,209
Crude rate of hospitalizations (per 100,000)	17	24	-	87	-	58
Median age of hospitalized patients	67	67	-	67	-	62
Total cost of hospitalization (\$)	28,700	28,700	-	28,700	-	30,356,600
Average length of hospital stay (days)	9	9	-	9	-	4
Number of deaths**	4	3	1	4	-	460
Age-Adjusted Death rate (per 100,000)**	76	96	47	76	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations for Blacks include Blacks and Others

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